

ADVANTAGE 3" DUCT FIRE RATED EXHAUST FAN SERIES

The Advantage 3" Duct Fire Rated Exhaust Fan Series is an economical solution when a Ceiling Radiation Dampener is required.



- **Grill:** Cold rolled steel, powder coated white.
 - **Blower Wheel:** One piece polymeric wheel, 4 1/2" diameter, 1" wide, with 10 blades.
 - **Motor:** Single coil plug-in, two pole motor, life time lubrication, thermally protected.
 - **Fan Housing:** 24 gauge galvanized steel housing.
 - **Duct Collar:** Metal collar for 3" duct connection, comes complete with built in back draft damper.
 - **Unit Mounting:** Unit is centered between joists (with 16" centers) using hanger brackets. The housing will mount through drywall thickness up to 1/2".
 - **Dampers:**
 - **Blender -** Non asbestos, ceramic blender
 - **Flexible Link -** Replaceable, 165° F standard
- Classification -** C.U.L. listed 555C, California State Marshall classification for 1 or 2 hour fire damper rating, California State Marshall listing number 325-1374-101.
- **Availability:** Single Pans or sold in Contractor Packs of 8 (blenders, dampers, dampers & link).

MODEL	MOTOR	HOUSING	DUCT	CFM @ 1/2" W.G.	W.P.	W.P.	W.P.
HA550	HA501	HA501H	HA501	474.6	2750	2.0	3.0
HA550	HA501	HA501H	HA501	603.2	2500	4.5	5.0
HA550	HA501	HA501H	HA501	603.8	2750	5.0	5.0

Performance shown is for 3" duct above ceiling for installation into 8" fire rated ceiling. Performance rating is based on the effect of an open grill, ceiling radiation damper and backdraft damper in the maximum Speed (HPW) shown in manual. Performance is shown at 5.0 l/s and is based on the fire rated ceiling and the fire rated ceiling. The above data may be available upon R.F.I. and the above data may be available upon R.F.I. and the above data may be available upon R.F.I.

Specifications subject to change without notice.



Air King Ventilation Products
has been awarded the AMCA Certified Performance logo. The ratings above are based on the AMCA Certified Performance Program. The ratings above are based on the AMCA Certified Performance Program. The ratings above are based on the AMCA Certified Performance Program.



Join Air King in the future of Ventilation!

For more information about the Fire Rated Exhaust Fans Series or Air King's complete line of Exhaust Fans, Range Hoods, and Blending Products, visit the Air King web site at: www.airkingproducts.com or contact your local sales representative.



United States: West Chester, PA • 673-304-2765
Canada: Brampton, Ontario • 905-250-8767

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**FIRE RATED EXHAUST
FAN SERIES**

www.airkinglimited.com



WHAT IS A FIRE RATED EXHAUST FAN?

The Air King Fire Rated Exhaust Fan Series consists of a three part system designed to meet the NFPA's (National Fire Protection Association) Standard 90A.

The unit consists of a Housing, a Ceiling Radiation Damper, and the Motor/Blade/Grill. When all three of these parts are used together they create a Fire Rated Exhaust Fan.

WHAT DOES A FIRE RATED EXHAUST FAN DO?

The Fire rated Exhaust Fan Series is designed to automatically shut off and seal the duct from the rest of the dwelling once the temperature of air passing through the damper exceeds that of the fusible link. This prevents the spread of smoke or fire through the ducting system to the other rooms or dwellings.

WHY DO I NEED A FIRE RATED EXHAUST FAN?

Your local code will dictate if and what type of Fire Rated Exhaust Fan you will need. Generally any time a common duct is used in a multi-dwelling situation, a Fire Rated Exhaust Fan will be required to prevent fire from using the common ducting to spread from one dwelling to the next. This is usually true in commercial and multi-family housing constructions.



**DELUXE QUIET FIRE
RATED EXHAUST FAN
SERIES**

The Deluxe Quiet Fire Rated Exhaust Fan Series combines style and quiet operation with a Ceiling Radiation Damper.



- **Grille:** cast rolled steel, powder coated within.
 - **Blower Wheel:** One piece polymeric centrifugal blower wheel, 5.7kg, diameter 23kg, wide, with 30 blades.
 - **Motor:** heavy duty, permanently self capacitor, 4 pole motor, life time lubrication, thermally protected.
 - **Fan Housing:** 24 gauge galvanized steel housing.
 - **Direct Cooler:** Metal cooler for 4 duct connection, comes complete with built in back draft damper.
 - **Unit Mounting:** Unit is centered between joists (with 10" centers) using hanging brackets. The housing will mount through rymwall thickness up to 3".
- Damper:**

- **Damper**

Blanket - Non-asbestos, ceramic blanket

Fuel/Leak Link - Replaceable, 155°F standard
Classification - CUL listed 555C, California State Marshall
classification for 1 or 2 hour fire damper rating, California
State Marshall listing number 3225-1574-101.

- **Availability:** Single Packs or sold in Contractor Packs of 4 (Housing, Dampseal, WeatherBacks, etc).

PROTEIN	MyoD	Hes/MyoD	Dorsal	$\frac{C/EBP\beta}{MyoD}$	ppm	MyoD
FRANK0	FRANK0T	ANK02	ANK02	002.4	1250	15
FRANK0	FRANK0T	ANK02	ANK02	907.2	1250	2.0
FRANK0	FRANK0T	ANK02	ANK02	1193.5	1250	2.5
FRANK0	FRANK0T	ANK02	ANK02	1183.6	1250	3.0

Performance reason is the PMAK robust model for landscape type B. From left, Directed acyclic Performance ranges include the effects of an interplay of a natural radiation transport and backscattered radiation. The PMAK system is a natural Performance is based on actual spread of the. The findings strongly show an indication system in the space at the (1.5m) is a phenomenological flow field calculated per AMCA standard 200. Values shown are for landscape type B. The first two rows show the AMCA Certified values. The last row shows the PMAK results.

Specifications subject to change without notice.



**ADVANTAGE 4" DUCT
FIRE RATED EXHAUST
FAN SERIES**

**The Advantage 4" Duct
Fire Rated Exhaust Fan
Series combines high
performance with a
Ceiling Radiation Damper.**



- **Grill:** Cold rolled steel, powder coated white.
 - **Blower Wheel:** One piece polymeric wheel, 5.5oz diameter, 2.39" width with 48 blades.
 - **Motor:** Heavy duty, plug-in, permanently sealed, capacitors, 4 pole motor, the time lube motor, thermally protected.
 - **Fan Housing:** 24 gauge galvanized steel housing.
 - **Duct Collar:** Metal collar for 4" duct connection, comes complete with built in sack draft damper.
 - **Unit Mounting:** Unit is centered between joists (with 16" centers) using hanging brackets. The housing will mount through drywall (the duct goes up to 4").
- Damper:**

• **Disclaimer:**

Blanket - Non-asbestos, ceramic blanket

Fusible Link - Replaceable, 165°F standard
Classification - C.U.L. listed 555C, California State Marshal
classification for 1 or 2 hour fire damper rating, California
State Marshal listing number 3225-1374-101.

- **Availability:** Single Packs or sold in Contractor Packs of 4 (Husco, Harrop, Vector/TradeEtc).

Model	Motor	Hours	Dispersal	$\frac{1}{2} \mu \text{g C} \cdot \text{mg}^{-1} \cdot \text{h}^{-1}$	May
FMS300	F420T	AAFH2	AAFH2	202.1	12.9
FMS300	F420T	AAFH2	AAFH2	202.1	2.5
FMS320	F420T	AAFH2	AAFH2	202.1	3.0

based on actual speed of print. The footcandle ratings shown are based on values in the zones at 5 ft. (1.5m) in a commercial flatbed colorized per AMCA standard 201. Values shown are for radiation type B; the other two score levels. The AMCA Certified Ratings test does not apply to B11 boxes.

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At King Nutrition Products, we believe that the models shown herein are intended to show the AMCA test. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 201 and AMCA Publication 201 and comply with the requirements of the Certified Interlog Program.